

Current Status of All Claims in the Application:

1. (Currently Amended) An irrigation unit for irrigating an area with a fluid from a fluid source, the irrigation unit comprising:

 a housing;

 a nozzle that is secured to the housing, the nozzle being in fluid communication with the fluid source so that fluid from the fluid source is transferred to the nozzle;

 an electronic component coupled to the housing; and

 a power generator that generates electrical energy, the power generator directly transferring at least a portion of the electrical energy to the electronic component, the power generator including a generator and a turbine that is in fluid communication with the fluid source, wherein the flow of the fluid from the fluid source to the nozzle causes the turbine to rotate the generator to generate electrical energy.

2. (Cancelled)

3. (Cancelled)

4. (Cancelled)

5. (Cancelled)

6. (Original) The irrigation unit of claim 1 wherein the power generator is positioned near the housing.

7. (Original) The irrigation unit of claim 1 wherein the power generator is secured to the housing.

8. (Original) The irrigation unit of claim 1 wherein the power generator is positioned within the housing.

9. (Original) The irrigation unit of claim 1 wherein the electronic component is a power storage unit.

10. (Original) The irrigation unit of claim 1 wherein the electronic component is a control system.

11. (Original) An irrigation system including a main control system and the irrigation unit of claim 1.

12. (Currently Amended) An irrigation unit for irrigating an area with a fluid from a fluid source, the irrigation unit comprising:

a housing;

a nozzle that is secured to the housing, the nozzle being in fluid communication with the fluid source so that fluid from the fluid source is transferred to the nozzle;

an electronic component coupled to the housing; and

a power generator including a generator and turbine that rotates the generator to generate ~~that generates~~ electrical energy, the power generator being positioned near the housing, the power generator being electrically connected to the electronic component.

13. (Original) The irrigation unit of claim 12 wherein the power generator directly transfers at least a portion of the electrical energy to the electronic component.

14. (Cancelled)

15. (Original) The irrigation unit of claim 12 wherein the power generator

includes a turbine that is in fluid communication with the fluid source and wherein flow of the fluid from the fluid source to the nozzle causes the turbine to rotate and the power generator to generate electrical energy.

16. (Cancelled)

17. (Original) The irrigation unit of claim 12 wherein the power generator is positioned near the housing.

18. (Original) The irrigation unit of claim 12 wherein the power generator is secured to the housing.

19. (Original) The irrigation unit of claim 12 wherein the power generator is positioned within the housing.

20. (Original) The irrigation unit of claim 12 wherein the electronic component is a power storage unit.

21. (Original) The irrigation unit of claim 12 wherein the electronic component is a control system.

22. (Original) An irrigation system including a main control system and the irrigation unit of claim 12.

23. (Currently Amended) An irrigation unit for irrigating an area with a fluid from a fluid source, the irrigation unit comprising:

a housing;

a nozzle that is secured to the housing, the nozzle being in fluid communication with the fluid source so that fluid from the fluid source is transferred to the nozzle;

an electronic component coupled to the housing; and
a power storage unit that stores electrical energy, the power storage unit
being electrically connected to the electronic component; and
a power generator including a generator and a turbine that rotates the
generator to generate electrical energy, the power generator being positioned
near the housing, the power generator being electrically connected to the
electronic component.

24. (Original) The irrigation unit of claim 23 wherein the power storage unit
includes a battery.

25. (Original) The irrigation unit of claim 23 wherein the power storage unit
includes a capacitor.

26. (Original) The irrigation unit of claim 23 wherein the power storage unit is
positioned near the housing.

27. (Original) The irrigation unit of claim 23 wherein the power storage unit is
secured to the housing.

28. (Original) The irrigation unit of claim 23 wherein the power storage unit is
positioned within the housing.

29. (Cancelled)

30. (Original) An irrigation system including a main control system and the
irrigation unit of claim 23.

31. (Currently Amended) A method for irrigating an area with a fluid from a
fluid source, the method comprising the steps of:

providing a housing;
securing a nozzle to the housing, the nozzle being in fluid communication with the fluid source so that fluid from the fluid source is transferred to the nozzle;
coupling an electronic component to the housing; and
directly transferring electrical energy from a power generator to the electronic component, the power generator including a rotating turbine that rotates a generator to generate electrical energy.

32. (Cancelled)

33. (Currently Amended) The method of claim [[32]] 31 further comprising the step of positioning the turbine in fluid communication with the fluid source so that flow of the fluid from the fluid source to the nozzle causes the turbine to rotate.

34. (Original) The method of claim 31 further comprising the step of positioning the power generator near the housing.

35. (Original) The method of claim 31 further comprising the step of securing the power generator to the housing.

36. (Currently Amended) A method for irrigating an area with a fluid from a fluid source, the method comprising the steps of:

providing a housing;
securing a nozzle to the housing, the nozzle being in fluid communication with the fluid source so that fluid from the fluid source is transferred to the nozzle;
coupling an electronic component to the housing; and
storing electrical energy with a power storage unit that is electrically connected to the electronic component; and
directly transferring electrical energy from a power generator to the

electronic component, the power generator including a rotating turbine that rotates a generator to generate electrical energy.

37. (Original) The method of claim 36 further comprising the step of securing the power storage unit to the housing.

38. (Original) The method of claim 36 further comprising the step of positioning the power storage unit within the housing.